# (19) World Intellectual Property Organization

International Bureau



# 

(43) International Publication Date 1 April 2004 (01.04.2004)

PCT

(10) International Publication Number WO 2004/027786 A3

(51) International Patent Classification7:

E21B 43/10

(21) International Application Number:

PCT/US2003/025707

- (22) International Filing Date: 18 August 2003 (18.08.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/412,196

20 September 2002 (20.09.2002)

- (71) Applicant (for all designated States except US): ENVEN-TURE GLOBAL TECHNOLOGY [US/US]; 16200 A Park Row, Houston, TX 77084 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): COSTA, Scott [US/US]; 2011 Willow Point, Kingwood, TX 77330 (US).

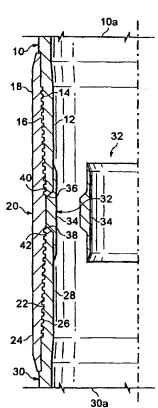
RING, Lev [US/US]; 14126 Heatherhill Place, Houston. TX 77077 (US). MENCHACA, Jose [US/US]; 9800 Pagewood Lane, Number 210, Houston, TX 77042 (US).

- (74) Agent: MATTINGLY, Todd; Haynes and Boone, LLP, 901 Main Street, Suite 3100, Dallas, TX 75202-3789 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FL GB, GD, GE, GH. GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: PROTECTIVE SLEEVE FOR EXPANDABLE TUBULARS

(57) Abstract: A protective sleeve (20) for expandable tubulars (10, 30).



WO 2004/027786 A3

### Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

### Published:

with international search report

- (88) Date of publication of the international search report: 10 September 2004
- (15) Information about Correction:

**Previous Correction:** 

see PCT Gazette No. 24/2004 of 10 June 2004, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

# BEST AVAILABLE COPY

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/25707

<del></del>	1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
A. CLASSIFICATION OF SUBJECT MATTER	
IPC(7) : E21B 43/10	Į.
US CL : 166/207,380,242.6	
According to International Patent Classification (IPC) or to both n	ational classification and IPC
B. FIELDS SEARCHED	
Minimum documentation searched (classification system followed by classification symbols)	
U.S.: 166/206,207,242.1,242.6,380-382	
0.8. 100/200,201,242.1,242.0,300-302	
	· <del>- · · · · · · · · · · · · · · · · · ·</del>
Documentation searched other than minimum documentation to the	extent that such documents are included in the fields searched
Electronic data base consulted during the international search (name	ne of data base and, where practicable, search terms used)
	·
C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category * Citation of document, with indication, where ap	propriate, of the relevant passages Relevant to claim No.
X US 4,388,971 A (PETERSON) 21 June 1983 (21.00	5.1983), see entire document, 1-25
especially Figs. 1A-2D.	1-60
A US 6,516,880 B1 (OTTEN et al.) 11 Pebruary 2003	3 (11.02.2003), see entire document, 1-8
especially Figs. 1-24.	(11.02.2000), 500 office accounting,
A US 6,5654,875 B1 (BULLOCK) 20 May 2003 (20.0	05,2003), see entire document, 9-25
especially Fig. 1.	30.2000), 500 011110 00001111111,
	ì
	1
	İ
	<b>!</b>
Further documents are listed in the continuation of Box C.	See patent family amex.
Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the
"A" document defining the general state of the art which is not considered to be	principle or theory underlying the invention
of particular relevance	"X" document of particular relevance: the claimed invention cannot be
"B" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step
	when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as	"Y" document of particular relevance; the claimed invention cannot be
specified)	considered to involve an inventive step when the document is
1	combined with one or more other such documents, such combination
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the art
"P" document published prior to the international filing date but later than the	"&" document member of the same patent family
priority date claimed	
Date of the actual completion of the international search	Date of mailing of the international search report
The of the matter and indicated at the interior assent.	23 JUN 2004
22 Jamuary 2004 (22.01.2004)	N & COTT LOUT
Name and mailing address of the ISA/US	Authorized officer
Mail Stop PCT, Attn: ISA/US	Zakiya N. Walker V Huzhiy
Commissioner for Patents	Zakiya 14. Walker V Ti Stray
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. (703) 308-2168
Facsimile No. (703) 305-3230	
Facsimile 140. (703) 303-3230	<u></u>

Form PCT/ISA/210 (second sheet) (July 1998)